MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER 1921

J. A. BROWN, DIRECTOR

PRINTED AT THE UNIVERSITY PRESS

NOVEMBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min.on grass		
1	760.3	759.8	761.3	760.5	23.0	19.3			7.49
2	3.8	63.0	3.2	3.3	19.3	15.0			
3	2.8	3.1	2.5	2.6	20.9	14.8			1.39
4	2.8	1.8	2.2	2.3	23.7	15.7			
5	2.6	1.6	2.6	2.3	23.9	19.4	—	—	—
6	4.1	4.8	5.1	4.7	23.8	19.0			
7	3.3	5.5	6.3	5.0	23.9	18.3			
8	4.0	3.0	3.3	3.4	22.6	17.6			
9	3.6	2.3	2.7	2.9	22.8	17.2			
10	3.3	2.9	3.1	3.1	24.9	19.0	—	—	—
11	4.1	4.0	5.5	4.5	25.9	21.5			
12	6.6	5.7	5.7	6.0	22.7	17.9			
13	5.8	4.8	5.1	5.2	22.7	16.7			
14	6.1	5.5	6.3	6.0	22.1	17.2			
15	2.2	6.0	6.4	6.5	22.1	16.7	—	—	—
16	6.0	4.6	4.2	4.9	22.4	16.5			
17	2.5	1.5	1.3	1.8	23.7	17.7			
18	0.6	58.6	59.1	59.4	24.1	18.8			
19	58.4	7.9	8.7	8.3	22.3	17.9			
20	60.2	60.2	60.6	60.3	21.2	13.9	—	—	2.54
21	1.9	1.6	1.9	1.8	21.3	13.9			
22	2.2	0.9	1.7	1.6	22.1	16.5			
23	1.4	0.3	1.3	1.0	22.8	16.6			
24	59.9	59.8	0.7	0.1	25.4	18.9			
25	62.0	62.5	4.5	3.0	20.5	13.3	—	—	16.37
26	6.3	5.1	5.1	5.5	18.8	12.9			5.83
27	4.4	3.4	4.3	4.0	18.6	11.3			20.06
28	4.6	4.0	4.5	4.4	19.9	13.6			0.37
29	6.1	5.4	5.5	5.7	18.9	14.6			
30	4.0	2.0	0.5	2.2	20.6	14.4			
31									
	763.4	762.7	763.2	763.1	22.2	16.5			54.05

BAROMETER

Maximum	767.2	on 15th
Minimum	757.9	on 19th

THERMOMETER

Maximum	25.9	on 11th
Minimum	11.3	on 27th
Minimum on grass		on

RAINFALL

Maximum 20.06 mm. on 27th

Number of days with rain 7 thunderstorms 0 fog 0 gale 1

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	21.5	20.5	17.7	19.9	16.6	13.7	11.7	11.1	8.3	7.3	8.9	58	46	48	51
2	16.3	18.8	15.6	16.9	11.0	12.4	11.1	7.2	7.9	7.6	7.0	52	48	58	53
3	16.2	20.0	17.4	17.9	14.6	14.6	12.3	11.4	9.4	8.0	9.6	83	53	54	63
4	19.8	22.6	22.1	21.5	12.4	14.3	15.1	7.3	8.1	9.0	8.1	42	40	46	43
5	23.2	23.3	21.6	22.7	16.6	16.7	15.3	10.3	10.4	10.0	10.2	49	47	51	49
6	22.8	21.6	18.4	20.9	18.3	17.1	14.9	12.1	11.7	10.5	11.5	62	60	67	63
7	21.5	21.3	19.4	20.7	17.0	16.4	15.9	11.6	11.0	11.3	11.3	60	58	68	63
8	21.3	22.1	19.3	20.9	17.5	17.6	16.6	14.9	14.7	14.8	14.8	65	61	73	68
9	21.0	22.6	20.7	21.4	16.8	18.3	17.8	11.5	12.8	13.1	12.5	62	63	72	68
10	23.6	23.8	22.4	23.3	16.6	21.2	17.9	10.1	16.7	12.3	13.0	46	70	61	61
11	24.1	25.8	20.7	23.5	18.3	18.3	19.9	12.0	11.2	16.6	13.3	54	46	91	64
12	21.8	22.1	20.5	21.5	18.7	18.4	17.8	13.9	13.3	13.2	13.5	71	67	73	70
13	21.1	21.6	18.4	20.4	16.7	17.1	14.9	11.4	11.7	10.5	11.2	61	60	67	63
14	20.4	21.3	19.4	20.4	16.2	16.4	15.9	11.1	11.0	11.3	11.1	62	58	67	63
15	20.3	21.8	18.9	20.3	11.2	16.6	16.1	6.2	10.9	11.8	9.6	36	57	73	55
16	20.4	22.2	19.6	20.7	13.2	15.7	16.1	7.8	9.6	10.6	9.3	44	49	62	52
17	21.6	22.2	21.9	21.9	13.2	15.7	15.4	9.5	10.4	11.5	10.5	49	52	58	53
18	21.7	23.9	21.8	22.5	15.3	16.3	17.1	7.0	8.9	11.5	9.1	36	40	59	45
19	19.4	21.3	18.2	19.6	12.8	15.6	17.1	10.8	13.2	9.2	11.1	64	44	53	52
20	19.3	20.9	18.2	19.5	15.6	18.1	13.8	10.0	8.2	8.3	8.8	60	63	70	61
21	19.5	19.6	16.9	18.7	14.9	13.8	12.9	8.3	10.7	10.0	9.7	49	51	59	58
22	19.6	21.8	20.9	20.8	13.4	15.6	13.9	10.7	10.2	10.4	10.4	63	58	42	50
23	21.4	22.7	21.0	21.7	15.6	17.7	13.4	9.2	11.9	7.7	9.6	49	53	68	53
24	24.4	22.5	19.4	22.1	14.9	16.8	16.1	8.6	10.8	11.5	10.3	38	60	76	64
25	17.2	18.4	15.0	16.9	15.4	14.2	12.7	7.9	9.6	9.6	9.0	55	70	59	64
26	17.1	18.8	15.4	17.1	12.2	14.1	13.1	9.9	9.3	9.8	9.7	89	58	75	67
27	14.3	16.1	20.7	17.0	13.8	14.4	13.2	9.4	11.1	10.2	10.2	78	82	80	80
28	16.3	19.4	15.8	17.2	13.5	14.0	12.9	9.8	9.0	9.5	9.4	72	53	71	65
29	17.7	18.4	18.1	18.1	14.0	14.3	14.4	9.7	9.8	10.1	9.9	65	61	65	64
30	18.2	19.9	15.2	17.8	13.4	15.0	13.6	8.9	9.9	8.0	8.9	57	57	44	53
31															
	20.0	21.2	19.0	20.1	14.9	16.0	14.9	10.0	10.7	10.5	10.4	57.0	56.4	63.7	59.3

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

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Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	7cu n	8cu n	0	5.0	4sw	3sw	3nw	320.9	rough	
2	4cu n	3cu	2n	3.0	Inw	Inw	0	708.7	v. Slight	
3	9n	10cu n	2s	7.0	Ine	0	0	127.9	calm	
4	10s	10s	0	6.7	0	2ne	2ne	68.4	v. Slight	
5	0	10n s	0	3.3	In	Ine	0	259.4	calm	
6	8cu s	2cu s	2cu	4.0	Isw	2nw	0	160.8	,,	
7	10n s	4cu	0	4.7	I w	Inw	0	129.0	,,	Few drops
8	2cu	0	0	0.7	0	Inw	0	98.7	,,	
9	0	0	0	0.0	0	Ine	0	99.8	,,	
10	0	8cu ci	3cu	3.7	0	0	0	174.1	,,	
11	0	2s	6cu	2.7	0	Isw	0	80.7	,,	
12	Icu	0	0	0.3	0	Isw	0	203.1	,,	
13	5cu	6cu	Icu	4.0	Isw	2sw	0	205.3	,,	
14	0	Icu	0	0.3	0	2n	0	117.8	,,	
15	4s	4s	Is	3.0	0	Ine	0	202.1	,,	
16	Icu	0	0	0.3	0	2ne	0	135.3	v. Slight	
17	10s	10n s	10n s	10	0	0	2ne	133.2	calm	
18	Ici	6cu n	10n	5.7	0	Ine	0	195.2	,,	
19	7cu n	10n	9n ci	8.7	0	Ine	Ine	159.9	,,	Few drops
20	0	Is	0	0.3	0	Ine	Ine	191.0	v. Slight	
21	9cu s	10sw	0	6.3	0	0	0	236.0	calm	
22	10n	10cu n	0	6.7	2ne	0	0	80.7	,,	Lightning in
23	9s	2s ci	5n	5.3	0	In	0	145.8	v. Slight	nw. at night
24	3cu s	10n	10n	7.7	Ine	3sw	Isw	107.2	,,	Few drops &
25	10n	10n	10n	10	2sw	2sw	0	358.7	,,	gale at night
26	Icu	3cu	10n	4.7	0	Isw	Isw	293.4	,,	
27	10cu n	4cu n	5n	6.3	0	2ws	0	263.1	calm	
28	9cu n	4cu n	10n	7.7	0	Isw	Isw	277.9	v. Slight	
29	4cu n	0	0	1.3	0	In	2ne	161.4	,,	
30	3s	Is	0	1.3	0	0	Is	176.2	,,	
31										
				4.0				197.7		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	3	0	0	0	4	0	2	20
2:30	3	8	0	0	0	9	0	4	6
8:30	0	5	0	0	1	3	0	1	20
Totals	4	16	0	0	1	16	0	7	46